Solid State Lighting Project - Phase 1

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Background
Typical office environments utilize compact fluorescent tubes for general lighting. While these tubes represented an energy savings when compared to incandescent light bulbs, they are not as efficient or environmentally preferable as solid state lighting alternatives. Solid state lighting includes Light Emitting Diode (LED) and Organic LED (OLED) technologies, which are at the forefront of energy efficient lighting.

Objective
To demonstrate/validate solid state lighting alternatives to compact fluorescent tubes used in typical NASA office environments.

Period of Performance
- Not applicable at this time.

Stakeholders
NASA Centers

Benefits
- Decreased energy consumption
- Decreased maintenance cycle
- Elimination of mercury hazard
- Increased points for LEED certification

Document Status
- Joint Test Protocol in development

Recent Progress
- Toured KSC Lighting Technology Lab – December 2008

Milestones
- Not applicable at this time

Near-Term Goals
- Define technical team
- Finalize Joint Test Protocol
- Develop list of candidate products to test
- Select testing/demonstration locations

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